

Lake Pat Cleburne Dam and Lake Pat Cleburne

OWNER

City of Cleburne.

ENGINEER (Design)

Hunter Associates.

LOCATION

On Nolan River in Johnson County, 4 miles south of Cleburne.

DRAINAGE AREA

100 square miles.

DAM

Type Earthfill
Length (does not include spillways) 4,950 ft
Maximum height 78 ft
Top width 25 ft

SPILLWAY (emergency)

Type Excavated channel
Control None
Elevation 744.0 ft above msl
Crest length 500 ft

SPILLWAY (service)

Type Concrete ogee
Control None
Elevation 733.5 ft above msl
Crest length 150 ft

OUTLET WORKS

Type Tower and 30-inch diameter steel pipe inside of 36-inch concrete pipe
Control 2 sluice gates
Invert elevation 690.0 ft above msl

AUTHORIZATION

Permit No. 2027 (Application No. 2233) October 1, 1962, authorizes construction of a dam to impound 25,600 acre-feet of water and annual diversion of 6,000 acre-feet for municipal use.

RESERVOIR DATA (Based on 1958 survey from U.S. Geological Survey topographic maps and prepared by Hunter Associates)

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	753.0	—	—
Top of design flood pool	752.3	66,700	2,800
Emergency spillway crest	744.0	45,430	2,200
Service spillway crest	733.5	25,560	1,550
Invert of upper sluice gate	722.0	11,760	990
Invert of lower sluice gate	690.0	115	25
Usable conservation storage space	—	25,445	—

GENERAL

Construction started August 9, 1963
Dam completed August 1964
Impoundment of water began August 4, 1964
General contractor Moorman and Singleton
Estimated cost of the dam \$1,316,600

